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Figure 6. The effect of the initial concentration of the monomer (C_0) on the polymerization rate at different temperatures. The reaction conditions were: $[AIBN] = 0.005 \text{ mol/L}$, $[M] = 0.05 \text{ mol/L}$, $[K_2S_2O_8] = 0.005 \text{ mol/L}$, $[NaHCO_3] = 0.005 \text{ mol/L}$, $[NaHSO_3] = 0.005 \text{ mol/L}$, $[NaCl] = 0.005 \text{ mol/L}$, $[NaBr] = 0.005 \text{ mol/L}$, $[NaI] = 0.005 \text{ mol/L}$, $[NaNO_3] = 0.005 \text{ mol/L}$, $[NaNO_2] = 0.005 \text{ mol/L}$, $[Na_2SO_4] = 0.005 \text{ mol/L}$, $[Na_2CO_3] = 0.005 \text{ mol/L}$, $[Na_2C_2O_4] = 0.005 \text{ mol/L}$, $[Na_2C_2O_3] = 0.005 \text{ mol/L}$, $[Na_2C_2O_2] = 0.005 \text{ mol/L}$, $[Na_2C_2O] = 0.005 \text{ mol/L}$, $[Na_2C_2] = 0.005 \text{ mol/L}$, $[Na_2C] = 0.005 \text{ mol/L}$, $[Na_2] = 0.005 \text{ mol/L}$, $[Na] = 0.005 \text{ mol/L}$.

**PROCESS FOR THE SURFACE MODIFICATION OF A
POLYMER SUBSTRATE AND POLYMERS
FORMED THEREFROM**